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PTO/SB/21 (04-04)

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

| | |
|--|------------------|
| Application Number | 09/882,283 |
| Filing Date | June 14, 2001 |
| First Named Inventor | Chen, Xiaopeng |
| Art Unit | 2133 |
| Examiner Name | Joseph D. Torres |
| Total Number of Pages in This Submission | 020945-001510US |

ENCLOSURES (Check all that apply)

| | | |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to Technology Center (TC) |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | <input type="checkbox"/> Postcard. |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application | | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

Remarks The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

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Technology Center 2100

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

| | | |
|-------------------------|------------------------------------|-----------------|
| Firm or Individual name | Townsend and Townsend and Crew LLP | Reg. No. 50,829 |
| Signature | <i>Ko-Fang Chang</i> | |
| Date | 8/20/2004 | |

CERTIFICATE OF TRANSMISSION/MAILING

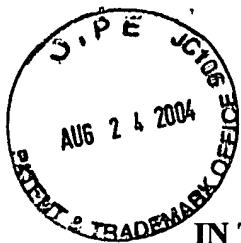
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name Kristina Alvarez

Signature *Kristina Alvarez*

Date 8/20/04

60290573 v1



PATENT

Attorney Docket No.: 020945-001510US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Xiaopeng Chen et al.

Application No.: 09/882,283

Filed: June 14, 2001

For: **METHOD FOR ITERATIVE
AND NON-ITERATIVE DATA
DETECTION USING REDUCED-
STATE SOFT-INPUT/SOFT-
OUTPUT ALGORITHMS FOR
COMPLEXITY REDUCTION**

Confirmation No. 7871

Examiner: Joseph D. Torres

Technology Center/Art Unit: 2133

AMENDMENT

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Technology Center 2100

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed May 20, 2004, please enter the following amendments and remarks:

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.